

CLAIMS:

1. A power supply device comprising an inner assembly body that contains a power supply circuit and a primary-side connecting element and a secondary-side connecting element which are electrically connected to said power supply circuit, said inner assembly body being subject to an insert-molding, so that an outer surface of said inner assembly body is covered by a synthetic resin that is formed in integral with said inner assembly body by said insert-molding.

2. The power supply device according to Claim 1, wherein said inner assembly body is comprised of an inner case formed by an inner case half-body and an inner case cover so as to have a hollow space therein with said power supply circuit provided therein, and said primary-side connecting element and said secondary-side connecting element are sealed in or integrally attached to said inner case.

3. The power supply device according to Claim 1, wherein said inner assembly body is comprised of an inner case half-body in which said power supply circuit is accommodated and is filled with a potting resin so that said power supply circuit is embedded in said potting resin.

4. The power supply device according to Claim 1, wherein said inner assembly body is comprised of said power supply circuit embedded in a potting resin that is formed in a desired shape.

5. The power supply device according to Claim 1, 2, 3 or 4, wherein said power supply circuit is comprised of a direct current converter circuit provided on a printed circuit board, said direct current converter circuit being at least one selected from the group consisting of a transformer and a diode.